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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/560,884	12/12/2005	Ting Sun	KL-CN-0001US	3695
34314 IVY Y. MEI	7590 02/08/2008		EXAMINER	
800 EL CAMINO REAL W.			TAPOLCAI, WILLIAM E	
SUITE 180 MOUNTAIN VIEW, CA 94040		•	ART UNIT	PAPER NUMBER
			3744	
			MAIL DATE	DELIVERY MODE
			02/08/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary		Application No.	Applicant(s)			
		10/560,884	SUN, TING			
		Examiner	Art Unit			
		William E. Tapolcai	3744			
7 Period for F	The MAILING DATE of this communication app Reply	ears on the cover sheet with the c	orrespondence address			
WHICHE - Extension after SIX - If NO per - Failure to Any reply	TENED STATUTORY PERIOD FOR REPLY EVER IS LONGER, FROM THE MAILING DATE of time may be available under the provisions of 37 CFR 1.13 (6) MONTHS from the mailing date of this communication. Since the reply within the set or extended period for reply will, by statute, or received by the Office later than three months after the mailing latent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim 11 apply and will expire SIX (6) MONTHS from the application to become ARANDONE	l. ely filed the mailing date of this communication.			
Status						
1)∏: Re	esponsive to communication(s) filed on	•				
		-· action is non-final.				
/==	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition			•			
4)⊠ Cla	aim(s) <u>1-5</u> is/are pending in the application.					
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
	6)⊠ Claim(s) <u>1-5</u> is/are rejected.					
	7) Claim(s) is/are objected to.					
	8) Claim(s) are subject to restriction and/or election requirement.					
Application Papers						
9)☐ The specification is objected to by the Examiner.						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
	er 35 U.S.C. § 119					
12)⊠ Ack	nowledgment is made of a claim for foreign p	oriority under 35 U.S.C. & 119(a)-	(d) or (f)			
a)⊠ <i>A</i>			(4) 51 (1).			
1.[2	Certified copies of the priority documents	have been received.				
_	2. Certified copies of the priority documents have been received in Application No					
3.[
	application from the International Bureau (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)						
Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date						
	Information Disclosure Statement(s) (PTO/SB/08) 5) Notice of Informal Patent Application Paper No(s)/Mail Date 6) Other:					
Patent and Trademosk Office.						

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1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1 and 5 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 4,089,667 to Jonsson. Jonsson in Fig. 7 discloses the claimed invention of a heat pump water heater comprising a plurality of condensers 10 each having its own water tank.
- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Jonsson in view of U.S. Patent No. 4,494,317 to Biagi et al. Jonsson discloses the claimed invention except for the one evaporator with a cold water inlet and outlet and the other evaporator with a fan. Biagi et al teaches in Fig. 4 a refrigeration system with one evaporator 5 for cooling water and a second evaporator 8 for cooling air. Thus, it would be obvious to modify Jonsson so that a first evaporator for cooling water and a second evaporator for cooling air are provided, in view of Biagi et al, to yield the predictable result of increasing the cooling capacity of the refrigeration system. Fans per se to increase the heat exchange effect of a heat exchanger are well known, and thus to use

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a fan for the air-cooling evaporator would be an obvious expedient to one of ordinary skill in the art.

- 5. Claims 3 and 4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jonsson in view of U.S. Patent No. 2,696,085 to Ruff. Jonsson discloses the claimed invention except for the condensers being serially connected. Ruff teaches a plurality of condensers 13-15 for heating water in which the condensers are serially connected to each other. Thus, it would be obvious to modify Jonsson so that the plural condensers in Fig. 7 are serially connected to each other, in view of Ruff, to yield the predictable result of reducing the piping used in the refrigeration system.
- 6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William E. Tapolcai whose telephone number is (571) 272-4814. The examiner can normally be reached on Mon. - Thurs., 6:30 to 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl J. Tyler can be reached on (571) 272-4834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

William E Tapolcai Primary Examiner Art Unit 3744

wet January 25, 2008